

PECAN - DC-8 07/07/15 Science Report

Aircraft:

[DC-8](#) ([See full schedule](#))

Date:

Tuesday, July 7, 2015

Mission:

PECAN

Mission Location:

Salina, KS

Mission Summary:

Plains Elevated Convection At Night (PECAN)

Submitted by:

Timothy Moes on 07/07/15

File:

 [SITREP #5 DC-8 PECAN.pdf](#)

Related Flight Report:

DC-8 07/06/15

Flight Number:

1027

Payload Configuration:

PECAN (LASE, NAST-I, RainCube, MASC, ARMAS)

Nav Data Collected:

Yes

Total Flight Time:

4.7 hours

Comments:

PECAN objectives were to study MCS in Southern Missouri and NorthEast Oklahoma. RainCube objectives were to obtain multiple data passes over a moving and changing weather system. This flight was successful in meeting these science objectives. NAST-I was in troubleshooting mode and did not collect science data, however, the other science instruments on-board operated nominally and obtained good data. The aircraft returned in good shape and ready to support the next planned mission on July 8.

Submitted by:

Timothy Moes on 07/07/15

Flight Segments:

From:	KSLN	To:	KSLN
Date:	07/06/15		
Flight Time:	2.9 hours		
Log Number:	158008	PI:	Richard Ferrare
Funding Source:	Jack Kaye - NASA - SMD - ESD Director Research and Analysis		
Purpose of Flight:	Science		

From:	KSLN	To:	KSLN
Date:	07/06/15		
Flight Time:	1.8 hours		
Log Number:	158017	PI:	Simone Tanelli
Funding Source:	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
Purpose of Flight:	Science		

Flight Hour Summary:

	158008
Flight Hours Approved in SOFRS	50
Total Used	56.7

Total Remaining					-6.7
158008 Flight Reports					
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
06/25/15	1020	Science	1.5	1.5	48.5
06/28/15	1022	Transit	2.6	4.1	45.9
06/28/15	1023	Pilot Proficiency	0.7	4.8	45.2
06/30/15	1024	Science	5.4	10.2	39.8
07/04/15	1025	Science	4.1	14.3	35.7
07/05/15	1026	Science	6.2	20.5	29.5
07/06/15	1027	Science	2.9	23.4	26.6
07/08/15	1028	Science	5.6	29	21
07/10/15	1029	Science	7.7	36.7	13.3
07/11/15	1030	Science	6.5	43.2	6.8
07/13/15	1031	Science	6.5	49.7	0.3
07/14/15	1032	Science	4.6	54.3	-4.3
07/16/15	1033	Transit	2.4	56.7	-6.7

					158017
Flight Hours Approved in SOFRS					12
Total Used					5.7
Total Remaining					6.3
158017 Flight Reports					
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
07/05/15	1026	Science	1.5	1.5	10.5
07/06/15	1027	Science	1.8	3.3	8.7
07/08/15	1028	Science	2.4	5.7	6.3

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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NASA Official: Bruce A.

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